




|                                       | 1  | 2      | 3        | 4                  | 5          | 6                                     | 7                 | 8                 | 9  | 10                        |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|---------------------------------------|--|--------|----------|--------------------|------------|---------------------------------------|-------------------|-------------------|--|---------------------------|-----------------|----------------------|-----------------------------|---|------------------------------|--|------|---|-----|-------------|----|-----------|---------|-----------------------------|---|------|------|----------|--|-------------|--------|-----------|-----------|------|--------|----------|------|---|----------|-----------|-----------|---------|------|-----------|---------|-----|---------|----------|------|----|------|-------|-----------|----------|-----|-----------|-----------------------|----|----------|-------|-----|------|--------------------|------------|----------|----------|---------|--------|-----------|-----------------|--------|-------|--|----|------|-------|--|----|-----|-------|--|----|-----|----------|--|--|--|--|--|--|-----------|----------|----------|-----------|------------|-------|------------|------|
| 1                                     | <div>技术要求:</div> <div>1. 胶轮材质: 聚氨酯</div> <div>2. 颜色: 橘色</div> <div>3. 硬度: 73±3A</div> <div>4. 轮面: 咬花纹</div>  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 2                                     | <table><tr><th>引线名称<br/>Lead Name</th><th>引线号<br/>Pin No</th><th>信号定义<br/>Defintion</th><th>引线颜色<br/>Colour</th><th>连接器型号<br/>Connector Models</th><th>备注<br/>Remarks</th></tr><tr><td rowspan="3">动力线<br/>Power Wire</td><td>1</td><td>48V+</td><td>RED 红色</td><td rowspan="3"><br/>胶壳: 上亿 C6350HM-3P-V0<br/>插针: 上亿 C6350M-TBe (公)</td><td></td></tr><tr><td>2</td><td>NC</td><td>NC</td><td></td></tr><tr><td>3</td><td>48V-</td><td>BLK 黑色</td><td></td></tr></table>   |        |          |                    |            | 引线名称<br>Lead Name                     | 引线号<br>Pin No     | 信号定义<br>Defintion | 引线颜色<br>Colour   | 连接器型号<br>Connector Models | 备注<br>Remarks   | 动力线<br>Power Wire    | 1                           | 48V+  | RED 红色                       | <br>胶壳: 上亿 C6350HM-3P-V0<br>插针: 上亿 C6350M-TBe (公)              |      | 2 | NC  | NC          |    | 3         | 48V-    | BLK 黑色                      |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 引线名称<br>Lead Name                     |  |        |          |                    |            | 引线号<br>Pin No                         | 信号定义<br>Defintion | 引线颜色<br>Colour    | 连接器型号<br>Connector Models                                      | 备注<br>Remarks             |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 动力线<br>Power Wire                     |  |        |          |                    |            | 1                                     | 48V+              | RED 红色            | <br>胶壳: 上亿 C6350HM-3P-V0<br>插针: 上亿 C6350M-TBe (公)              |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 2  | NC     | NC       |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 3  | 48V-   | BLK 黑色   |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 3                                     | <table><tr><th>引线名称<br/>Lead Name</th><th>引线号<br/>Pin No</th><th>信号定义<br/>Defintion</th><th>引线颜色<br/>Colour</th><th>连接器型号<br/>Connector Models</th><th>备注<br/>Remarks</th></tr><tr><td rowspan="18">反馈线<br/>Feedback Wire</td><td>1</td><td>24V</td><td>RD 红色</td><td rowspan="18"><br/>胶壳 Housing: MOLEX 430201800<br/>端子Terminal: MOLEX 430310004</td><td></td></tr><tr><td>2</td><td>BR+</td><td>VI 紫色</td><td></td></tr><tr><td>3</td><td>CANH</td><td>BL/BK 蓝黑</td><td></td></tr><tr><td>4</td><td>CANH</td><td>BL/BK 蓝黑</td><td></td></tr><tr><td>5</td><td>RS485A</td><td>OG/BK 橙黑</td><td></td></tr><tr><td>6</td><td>RS485A</td><td>OG/BK 橙黑</td><td></td></tr><tr><td>7</td><td>OUT1+</td><td>YE/BK 黄黑</td><td></td></tr><tr><td>8</td><td>COMI</td><td>WH 白色</td><td></td></tr><tr><td>9</td><td>GDNC</td><td>GR/BK 绿黑</td><td></td></tr><tr><td>10</td><td>GND</td><td>BK 黑色</td><td></td></tr><tr><td>11</td><td>BR-</td><td>VI/BK 紫黑</td><td></td></tr><tr><td>12</td><td>CANL</td><td>BL 蓝色</td><td></td></tr><tr><td>13</td><td>CANL</td><td>BL 蓝色</td><td></td></tr><tr><td>14</td><td>RS485B</td><td>OG 橙色</td><td></td></tr><tr><td>15</td><td>RS485B</td><td>OG 橙色</td><td></td></tr><tr><td>16</td><td>COMO</td><td>YE 黄色</td><td></td></tr><tr><td>17</td><td>DI1</td><td>GR 绿色</td><td></td></tr><tr><td>18</td><td>DI2</td><td>WH/BK 白黑</td><td></td></tr></table> |        |          |                    |            | 引线名称<br>Lead Name                     | 引线号<br>Pin No     | 信号定义<br>Defintion | 引线颜色<br>Colour   | 连接器型号<br>Connector Models | 备注<br>Remarks   | 反馈线<br>Feedback Wire | 1                           | 24V   | RD 红色                        | <br>胶壳 Housing: MOLEX 430201800<br>端子Terminal: MOLEX 430310004 |      | 2 | BR+ | VI 紫色       |    | 3         | CANH    | BL/BK 蓝黑                    |   | 4    | CANH | BL/BK 蓝黑 |  | 5           | RS485A | OG/BK 橙黑  |           | 6    | RS485A | OG/BK 橙黑 |      | 7 | OUT1+    | YE/BK 黄黑  |           | 8       | COMI | WH 白色     |         | 9   | GDNC    | GR/BK 绿黑 |      | 10 | GND  | BK 黑色 |           | 11       | BR- | VI/BK 紫黑  |                       | 12 | CANL     | BL 蓝色 |     | 13   | CANL               | BL 蓝色      |          | 14       | RS485B  | OG 橙色  |           | 15              | RS485B | OG 橙色 |  | 16 | COMO | YE 黄色 |  | 17 | DI1 | GR 绿色 |  | 18 | DI2 | WH/BK 白黑 |  | <div>Kinco® Integrated Servo Motor<br/>IWMC05606-00450-A150-MADT-R<br/><table><tr><td>Un: 48VDC</td><td>In: 5.7A</td></tr><tr><td>Pn: 200W</td><td>Tn: 3.6Nm</td></tr><tr><td>Nn: 500rpm</td><td>Ins F</td></tr><tr><td>Vn: 3.9m/s</td><td>IP54</td></tr></table><br/>Kinco Electric (shenzhen) Ltd.<br/>MADE IN CHINA Dt S3<br/>S/N: I125230000V0262YYDDNNNN<br/></div> |  |  |  |  | Un: 48VDC | In: 5.7A | Pn: 200W | Tn: 3.6Nm | Nn: 500rpm | Ins F | Vn: 3.9m/s | IP54 |
| 引线名称<br>Lead Name                     |  |        |          |                    |            | 引线号<br>Pin No                         | 信号定义<br>Defintion | 引线颜色<br>Colour    | 连接器型号<br>Connector Models                                      | 备注<br>Remarks             |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 反馈线<br>Feedback Wire                  |  |        |          |                    |            | 1                                     | 24V               | RD 红色             | <br>胶壳 Housing: MOLEX 430201800<br>端子Terminal: MOLEX 430310004 |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 2  | BR+    | VI 紫色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 3  | CANH   | BL/BK 蓝黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 4  | CANH   | BL/BK 蓝黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 5  | RS485A | OG/BK 橙黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 6  | RS485A | OG/BK 橙黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 7  | OUT1+  | YE/BK 黄黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 8  | COMI   | WH 白色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 9  | GDNC   | GR/BK 绿黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 10   | GND    | BK 黑色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 11   | BR-    | VI/BK 紫黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 12   | CANL   | BL 蓝色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 13   | CANL   | BL 蓝色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 14   | RS485B | OG 橙色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 15   | RS485B | OG 橙色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 16   | COMO   | YE 黄色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 17   | DI1    | GR 绿色    |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       | 18   | DI2    | WH/BK 白黑 |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| Un: 48VDC                             | In: 5.7A   |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| Pn: 200W                              | Tn: 3.6Nm  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| Nn: 500rpm                            | Ins F  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| Vn: 3.9m/s                            | IP54   |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 4                                     | <table><tr><th>未注线性公差<br/>Undeclared linear tolerance</th><th colspan="2"></th><th colspan="2">批准Approve</th><th>HH</th><th>2025/2/10</th><th>料号Part No</th><th>307091535</th><th>产品外形图Product Outline Drawing</th></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025/2/10</td><td>型号Model</td><td>IWMC05606-00450-A150-MADT-R</td><td rowspan="5"><br/><b>步科股份: 688160</b><br/>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</td></tr><tr><td>&gt;3~6</td><td>±0.3</td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025/2/10</td><td>版本Version</td><td>V1.1</td></tr><tr><td>&gt;6~30</td><td>±0.5</td><td>V1.1</td><td>△</td><td>电机规格型号更新</td><td>DCN250056</td><td>2025/2/25</td><td>审核Check</td><td>WYD</td><td>2025/2/10</td><td>比例Scale</td><td>1:1</td></tr><tr><td>&gt;30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>2025/2/10</td><td>设计Design</td><td>ZY</td><td>2025/2/10</td><td>投影法Projection methods</td><td></td></tr><tr><td>&gt;120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>页码Page No</td><td>SHEET 1 OF 2 A2</td></tr></table>   |        |          |                    |            | 未注线性公差<br>Undeclared linear tolerance |                   |                   | 批准Approve  |                           | HH              | 2025/2/10            | 料号Part No                   | 307091535   | 产品外形图Product Outline Drawing | 0.5~3  | ±0.2 |   |     | 标准化Standard | ZY | 2025/2/10 | 型号Model | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. | >3~6 | ±0.3 |          |  | 工艺Technique | XC     | 2025/2/10 | 版本Version | V1.1 | >6~30  | ±0.5     | V1.1 | △ | 电机规格型号更新 | DCN250056 | 2025/2/25 | 审核Check | WYD  | 2025/2/10 | 比例Scale | 1:1 | >30~120 | ±0.8     | V1.0 | /  | 原始版本 | 新发布   | 2025/2/10 | 设计Design | ZY  | 2025/2/10 | 投影法Projection methods |    | >120~400 | ±1.2  | VER | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date | 评审Review | 姓名Names | 日期Data | 页码Page No | SHEET 1 OF 2 A2 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 未注线性公差<br>Undeclared linear tolerance |  |        |          |                    |            |                                       |                   | 批准Approve         |  | HH                        | 2025/2/10       | 料号Part No            | 307091535                   | 产品外形图Product Outline Drawing  |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 0.5~3                                 |  |        |          |                    |            | ±0.2                                  |                   |                   | 标准化Standard  | ZY                        | 2025/2/10       | 型号Model              | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >3~6                                  | ±0.3   |        |          | 工艺Technique        | XC         | 2025/2/10                             | 版本Version         | V1.1              |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >6~30                                 | ±0.5   | V1.1   | △        | 电机规格型号更新           | DCN250056  | 2025/2/25                             | 审核Check           | WYD               | 2025/2/10  | 比例Scale                   | 1:1             |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >30~120                               | ±0.8   | V1.0   | /        | 原始版本               | 新发布        | 2025/2/10                             | 设计Design          | ZY                | 2025/2/10  | 投影法Projection methods     |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >120~400                              | ±1.2   | VER    | Mark     | 版本记录Version record | 归档方式ECN No | 归档日期Date                              | 评审Review          | 姓名Names           | 日期Data   | 页码Page No                 | SHEET 1 OF 2 A2 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
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| 未注线性公差<br>Undeclared linear tolerance |  |        |          |                    |            |                                       |                   | 批准Approve         |  | HH                        | 2025/2/10       | 料号Part No            | 307091535                   | 产品外形图Product Outline Drawing  |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 0.5~3                                 |  |        |          |                    |            | ±0.2                                  |                   |                   | 标准化Standard  | ZY                        | 2025/2/10       | 型号Model              | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >3~6                                  | ±0.3   |        |          | 工艺Technique        | XC         | 2025/2/10                             | 版本Version         | V1.1              |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >6~30                                 | ±0.5   | V1.1   | △        | 电机规格型号更新           | DCN250056  | 2025/2/25                             | 审核Check           | WYD               | 2025/2/10  | 比例Scale                   | 1:1             |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >30~120                               | ±0.8   | V1.0   | /        | 原始版本               | 新发布        | 2025/2/10                             | 设计Design          | ZY                | 2025/2/10  | 投影法Projection methods     |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >120~400                              | ±1.2   | VER    | Mark     | 版本记录Version record | 归档方式ECN No | 归档日期Date                              | 评审Review          | 姓名Names           | 日期Data   | 页码Page No                 | SHEET 1 OF 2 A2 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 6                                     | <table><tr><th>未注线性公差<br/>Undeclared linear tolerance</th><th colspan="2"></th><th colspan="2">批准Approve</th><th>HH</th><th>2025/2/10</th><th>料号Part No</th><th>307091535</th><th>产品外形图Product Outline Drawing</th></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025/2/10</td><td>型号Model</td><td>IWMC05606-00450-A150-MADT-R</td><td rowspan="5"><br/><b>步科股份: 688160</b><br/>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</td></tr><tr><td>&gt;3~6</td><td>±0.3</td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025/2/10</td><td>版本Version</td><td>V1.1</td></tr><tr><td>&gt;6~30</td><td>±0.5</td><td>V1.1</td><td>△</td><td>电机规格型号更新</td><td>DCN250056</td><td>2025/2/25</td><td>审核Check</td><td>WYD</td><td>2025/2/10</td><td>比例Scale</td><td>1:1</td></tr><tr><td>&gt;30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>2025/2/10</td><td>设计Design</td><td>ZY</td><td>2025/2/10</td><td>投影法Projection methods</td><td></td></tr><tr><td>&gt;120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>页码Page No</td><td>SHEET 1 OF 2 A2</td></tr></table>   |        |          |                    |            | 未注线性公差<br>Undeclared linear tolerance |                   |                   | 批准Approve  |                           | HH              | 2025/2/10            | 料号Part No                   | 307091535   | 产品外形图Product Outline Drawing | 0.5~3  | ±0.2 |   |     | 标准化Standard | ZY | 2025/2/10 | 型号Model | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. | >3~6 | ±0.3 |          |  | 工艺Technique | XC     | 2025/2/10 | 版本Version | V1.1 | >6~30  | ±0.5     | V1.1 | △ | 电机规格型号更新 | DCN250056 | 2025/2/25 | 审核Check | WYD  | 2025/2/10 | 比例Scale | 1:1 | >30~120 | ±0.8     | V1.0 | /  | 原始版本 | 新发布   | 2025/2/10 | 设计Design | ZY  | 2025/2/10 | 投影法Projection methods |    | >120~400 | ±1.2  | VER | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date | 评审Review | 姓名Names | 日期Data | 页码Page No | SHEET 1 OF 2 A2 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 未注线性公差<br>Undeclared linear tolerance |  |        |          |                    |            |                                       |                   | 批准Approve         |  | HH                        | 2025/2/10       | 料号Part No            | 307091535                   | 产品外形图Product Outline Drawing  |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 0.5~3                                 |  |        |          |                    |            | ±0.2                                  |                   |                   | 标准化Standard  | ZY                        | 2025/2/10       | 型号Model              | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >3~6                                  | ±0.3   |        |          | 工艺Technique        | XC         | 2025/2/10                             | 版本Version         | V1.1              |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >6~30                                 | ±0.5   | V1.1   | △        | 电机规格型号更新           | DCN250056  | 2025/2/25                             | 审核Check           | WYD               | 2025/2/10  | 比例Scale                   | 1:1             |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
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|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 7                                     | <table><tr><th>未注线性公差<br/>Undeclared linear tolerance</th><th colspan="2"></th><th colspan="2">批准Approve</th><th>HH</th><th>2025/2/10</th><th>料号Part No</th><th>307091535</th><th>产品外形图Product Outline Drawing</th></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025/2/10</td><td>型号Model</td><td>IWMC05606-00450-A150-MADT-R</td><td rowspan="5"><br/><b>步科股份: 688160</b><br/>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</td></tr><tr><td>&gt;3~6</td><td>±0.3</td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025/2/10</td><td>版本Version</td><td>V1.1</td></tr><tr><td>&gt;6~30</td><td>±0.5</td><td>V1.1</td><td>△</td><td>电机规格型号更新</td><td>DCN250056</td><td>2025/2/25</td><td>审核Check</td><td>WYD</td><td>2025/2/10</td><td>比例Scale</td><td>1:1</td></tr><tr><td>&gt;30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>2025/2/10</td><td>设计Design</td><td>ZY</td><td>2025/2/10</td><td>投影法Projection methods</td><td></td></tr><tr><td>&gt;120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>页码Page No</td><td>SHEET 1 OF 2 A2</td></tr></table>   |        |          |                    |            | 未注线性公差<br>Undeclared linear tolerance |                   |                   | 批准Approve  |                           | HH              | 2025/2/10            | 料号Part No                   | 307091535   | 产品外形图Product Outline Drawing | 0.5~3  | ±0.2 |   |     | 标准化Standard | ZY | 2025/2/10 | 型号Model | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. | >3~6 | ±0.3 |          |  | 工艺Technique | XC     | 2025/2/10 | 版本Version | V1.1 | >6~30  | ±0.5     | V1.1 | △ | 电机规格型号更新 | DCN250056 | 2025/2/25 | 审核Check | WYD  | 2025/2/10 | 比例Scale | 1:1 | >30~120 | ±0.8     | V1.0 | /  | 原始版本 | 新发布   | 2025/2/10 | 设计Design | ZY  | 2025/2/10 | 投影法Projection methods |    | >120~400 | ±1.2  | VER | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date | 评审Review | 姓名Names | 日期Data | 页码Page No | SHEET 1 OF 2 A2 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 未注线性公差<br>Undeclared linear tolerance |  |        |          |                    |            |                                       |                   | 批准Approve         |  | HH                        | 2025/2/10       | 料号Part No            | 307091535                   | 产品外形图Product Outline Drawing  |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 0.5~3                                 |  |        |          |                    |            | ±0.2                                  |                   |                   | 标准化Standard  | ZY                        | 2025/2/10       | 型号Model              | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >3~6                                  | ±0.3   |        |          | 工艺Technique        | XC         | 2025/2/10                             | 版本Version         | V1.1              |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >6~30                                 | ±0.5   | V1.1   | △        | 电机规格型号更新           | DCN250056  | 2025/2/25                             | 审核Check           | WYD               | 2025/2/10  | 比例Scale                   | 1:1             |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >30~120                               | ±0.8   | V1.0   | /        | 原始版本               | 新发布        | 2025/2/10                             | 设计Design          | ZY                | 2025/2/10  | 投影法Projection methods     |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >120~400                              | ±1.2   | VER    | Mark     | 版本记录Version record | 归档方式ECN No | 归档日期Date                              | 评审Review          | 姓名Names           | 日期Data   | 页码Page No                 | SHEET 1 OF 2 A2 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
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|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
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|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
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| 10                                    | <table><tr><th>未注线性公差<br/>Undeclared linear tolerance</th><th colspan="2"></th><th colspan="2">批准Approve</th><th>HH</th><th>2025/2/10</th><th>料号Part No</th><th>307091535</th><th>产品外形图Product Outline Drawing</th></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025/2/10</td><td>型号Model</td><td>IWMC05606-00450-A150-MADT-R</td><td rowspan="5"><br/><b>步科股份: 688160</b><br/>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited.</td></tr><tr><td>&gt;3~6</td><td>±0.3</td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025/2/10</td><td>版本Version</td><td>V1.1</td></tr><tr><td>&gt;6~30</td><td>±0.5</td><td>V1.1</td><td>△</td><td>电机规格型号更新</td><td>DCN250056</td><td>2025/2/25</td><td>审核Check</td><td>WYD</td><td>2025/2/10</td><td>比例Scale</td><td>1:1</td></tr><tr><td>&gt;30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>2025/2/10</td><td>设计Design</td><td>ZY</td><td>2025/2/10</td><td>投影法Projection methods</td><td></td></tr><tr><td>&gt;120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>页码Page No</td><td>SHEET 1 OF 2 A2</td></tr></table>   |        |          |                    |            | 未注线性公差<br>Undeclared linear tolerance |                   |                   | 批准Approve  |                           | HH              | 2025/2/10            | 料号Part No                   | 307091535   | 产品外形图Product Outline Drawing | 0.5~3  | ±0.2 |   |     | 标准化Standard | ZY | 2025/2/10 | 型号Model | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. | >3~6 | ±0.3 |          |  | 工艺Technique | XC     | 2025/2/10 | 版本Version | V1.1 | >6~30  | ±0.5     | V1.1 | △ | 电机规格型号更新 | DCN250056 | 2025/2/25 | 审核Check | WYD  | 2025/2/10 | 比例Scale | 1:1 | >30~120 | ±0.8     | V1.0 | /  | 原始版本 | 新发布   | 2025/2/10 | 设计Design | ZY  | 2025/2/10 | 投影法Projection methods |    | >120~400 | ±1.2  | VER | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date | 评审Review | 姓名Names | 日期Data | 页码Page No | SHEET 1 OF 2 A2 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 未注线性公差<br>Undeclared linear tolerance |  |        |          |                    |            |                                       |                   | 批准Approve         |  | HH                        | 2025/2/10       | 料号Part No            | 307091535                   | 产品外形图Product Outline Drawing  |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| 0.5~3                                 |  |        |          |                    |            | ±0.2                                  |                   |                   | 标准化Standard  | ZY                        | 2025/2/10       | 型号Model              | IWMC05606-00450-A150-MADT-R | <br><b>步科股份: 688160</b><br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >3~6                                  | ±0.3   |        |          | 工艺Technique        | XC         | 2025/2/10                             | 版本Version         | V1.1              |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >6~30                                 | ±0.5   | V1.1   | △        | 电机规格型号更新           | DCN250056  | 2025/2/25                             | 审核Check           | WYD               | 2025/2/10  | 比例Scale                   | 1:1             |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >30~120                               | ±0.8   | V1.0   | /        | 原始版本               | 新发布        | 2025/2/10                             | 设计Design          | ZY                | 2025/2/10  | 投影法Projection methods     |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
| >120~400                              | ±1.2   | VER    | Mark     | 版本记录Version record | 归档方式ECN No | 归档日期Date                              | 评审Review          | 姓名Names           | 日期Data   | 页码Page No                 | SHEET 1 OF 2 A2 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |
|                                       |  |        |          |                    |            |                                       |                   |                   |  |                           |                 |                      |                             |   |                              |  |      |   |     |             |    |           |         |                             |   |      |      |          |  |             |        |           |           |      |        |          |      |   |          |           |           |         |      |           |         |     |         |          |      |    |      |       |           |          |     |           |                       |    |          |       |     |      |                    |            |          |          |         |        |           |                 |        |       |  |    |      |       |  |    |     |       |  |    |     |          |  |  |  |  |  |  |           |          |          |           |            |       |            |      |

|  |  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
|--|--|-----------|------|--------------------|------------|-------------|----------|-----------|-----------|-----------------------------|--|---|---|-------------------------|-----|---------------------------|------|------------------------|-----|---------------------|----|--------------------------------|-----|-------------------|------|----------------|-----|-------------------|-----|--|---|------------------------------|-------|-----------------------------|------|-------------------------------|------|--------------------------------|------|--------------------------|-----|-------------------------------|---|---------------|--|--------------------|--------|-----------|-------------|---|---|--------------------------------|----|----|--------------------------------|----|----|------------------------------|-----|------|------------------------------------|-------|------|--------------------------------|---|------|-------------------------------|---|-----|---------------|---|------|-------------|--------|-----|------------------------------------|--|--|--|--|--|-----------|----|-----------|-----------|-----------|--|-------|------|--|--|--|--|-------------|----|-----------|---------|-----------------------------|------|------|--|--|--|--|-------------|----|-----------|-----------|------|-------|------|------|---|----------|-----------|-----------|---------|-----|-----------|---------|-----|---------|------|------|---|------|-----|-----------|----------|----|-----------|-----------------------|---|----------|------|-----|------|--------------------|------------|----------|----------|---------|--------|--|---|
| 1                                      | 2  | 3         | 4    | 5                  | 6          | 7           | 8        | 9         | 10        |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 1                                      | <div>技术参数 Technical Data</div> <table><tr><td>动力电源 Power (V)</td><td>48</td></tr><tr><td>逻辑电源 Logic power (V)</td><td>/</td></tr><tr><td>额定转矩 Rated torque (N.m)</td><td>3.6</td></tr><tr><td>峰值转矩 Maximum torque (N.m)</td><td>10.9</td></tr><tr><td>轮径 Wheel diameter (mm)</td><td>150</td></tr><tr><td>轮宽 Wheel width (mm)</td><td>40</td></tr><tr><td>额定线速度 Rated linear speed (m/s)</td><td>3.9</td></tr><tr><td>输入输出 input/output</td><td>2入1出</td></tr><tr><td>通讯 Communicate</td><td>CAN</td></tr><tr><td>调试 Shakedown test</td><td>485</td></tr><tr><td>外部解抱闸 External unlocking brake voltage</td><td>/</td></tr><tr><td>驱动器额定电流 Driver rated current</td><td>7Arms</td></tr><tr><td>驱动器峰值电流 Driver peak current</td><td>26Ap</td></tr><tr><td>电机额定转速 Motor rated speed(rpm)</td><td>3000</td></tr><tr><td>电机额定扭矩 Motor rated torque(N.m)</td><td>0.64</td></tr><tr><td>整机重量 Overall weight (kg)</td><td>2.5</td></tr><tr><td>环境要求 Environmental conditions</td><td>工作环境温度 Working environment temperature: 0℃~40℃;<br/>存储温度 Storage temperature: -20℃~60℃;<br/>使用和存储均为≤90%RH, 无结露; 90%RH (below) for use and storage, non-condensation; 聚氨酯胎面要求平整路面且无异物Polyurethane tread requires a flat road surface and no foreign objects.</td></tr><tr><td>说明 illustrate</td><td>标准产品胎面为聚氨酯;标准产品防护等级为IP54 The standard product tread is polyurethane; The standard product protection level is IP54</td></tr></table> <div>减速器性能参数 Reducer performance parameters</div> <table><tr><td>参数项 Parameter item</td><td>单位Unit</td><td>参数值Values</td></tr><tr><td>速比 Ratio il</td><td>/</td><td>6</td></tr><tr><td>容许额定输出扭矩 Nominal output torque</td><td>Nm</td><td>20</td></tr><tr><td>容许最大输出扭矩 Maximum output torque</td><td>Nm</td><td>60</td></tr><tr><td>容许额定输入转速 Nominal input speed</td><td>rpm</td><td>4000</td></tr><tr><td>容许最高输入转速 Maximum input speed (rpm)</td><td>r/min</td><td>6000</td></tr><tr><td>容许径向负荷 Max. radial load Fr (N)</td><td>N</td><td>1500</td></tr><tr><td>容许轴向负荷 Max. axial load Fa (N)</td><td>N</td><td>280</td></tr><tr><td>效率 Efficiency</td><td>/</td><td>≥95%</td></tr><tr><td>背隙 Backlash</td><td>arcmin</td><td>≤12</td></tr></table> <table><tr><td>未注线性公差 Undeclared linear tolerance</td><td></td><td></td><td></td><td></td><td></td><td>批准Approve</td><td>HH</td><td>2025/2/10</td><td>料号Part No</td><td>307091535</td><td rowspan="6">产品外形图Product Outline Drawing<br/><b>Kinco步科</b><br/>步科股份: 688160<br/>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited<br/>页码Page No SHEET 2 OF 2 A2</td></tr><tr><td>0.5~3</td><td>±0.2</td><td></td><td></td><td></td><td></td><td>标准化Standard</td><td>ZY</td><td>2025/2/10</td><td>型号Model</td><td>FWMC05606-00450-A150-MADT-R</td></tr><tr><td>&gt;3~6</td><td>±0.3</td><td></td><td></td><td></td><td></td><td>工艺Technique</td><td>XC</td><td>2025/2/10</td><td>版本Version</td><td>V1.1</td></tr><tr><td>&gt;6~30</td><td>±0.5</td><td>V1.1</td><td>△</td><td>电机规格型号更新</td><td>DCN250056</td><td>2025/2/25</td><td>审核Check</td><td>WYD</td><td>2025/2/10</td><td>比例Scale</td><td>1:1</td></tr><tr><td>&gt;30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>2025/2/10</td><td>设计Design</td><td>ZY</td><td>2025/2/10</td><td>投影法Projection methods</td><td></td></tr><tr><td>&gt;120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td></td></tr></table> |           |      |                    |            |             |          |           |           | 动力电源 Power (V)              | 48   | 逻辑电源 Logic power (V)  | / | 额定转矩 Rated torque (N.m) | 3.6 | 峰值转矩 Maximum torque (N.m) | 10.9 | 轮径 Wheel diameter (mm) | 150 | 轮宽 Wheel width (mm) | 40 | 额定线速度 Rated linear speed (m/s) | 3.9 | 输入输出 input/output | 2入1出 | 通讯 Communicate | CAN | 调试 Shakedown test | 485 | 外部解抱闸 External unlocking brake voltage | / | 驱动器额定电流 Driver rated current | 7Arms | 驱动器峰值电流 Driver peak current | 26Ap | 电机额定转速 Motor rated speed(rpm) | 3000 | 电机额定扭矩 Motor rated torque(N.m) | 0.64 | 整机重量 Overall weight (kg) | 2.5 | 环境要求 Environmental conditions | 工作环境温度 Working environment temperature: 0℃~40℃;<br>存储温度 Storage temperature: -20℃~60℃;<br>使用和存储均为≤90%RH, 无结露; 90%RH (below) for use and storage, non-condensation; 聚氨酯胎面要求平整路面且无异物Polyurethane tread requires a flat road surface and no foreign objects. | 说明 illustrate | 标准产品胎面为聚氨酯;标准产品防护等级为IP54 The standard product tread is polyurethane; The standard product protection level is IP54 | 参数项 Parameter item | 单位Unit | 参数值Values | 速比 Ratio il | / | 6 | 容许额定输出扭矩 Nominal output torque | Nm | 20 | 容许最大输出扭矩 Maximum output torque | Nm | 60 | 容许额定输入转速 Nominal input speed | rpm | 4000 | 容许最高输入转速 Maximum input speed (rpm) | r/min | 6000 | 容许径向负荷 Max. radial load Fr (N) | N | 1500 | 容许轴向负荷 Max. axial load Fa (N) | N | 280 | 效率 Efficiency | / | ≥95% | 背隙 Backlash | arcmin | ≤12 | 未注线性公差 Undeclared linear tolerance |  |  |  |  |  | 批准Approve | HH | 2025/2/10 | 料号Part No | 307091535 | 产品外形图Product Outline Drawing<br><b>Kinco步科</b><br>步科股份: 688160<br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited<br>页码Page No SHEET 2 OF 2 A2 | 0.5~3 | ±0.2 |  |  |  |  | 标准化Standard | ZY | 2025/2/10 | 型号Model | FWMC05606-00450-A150-MADT-R | >3~6 | ±0.3 |  |  |  |  | 工艺Technique | XC | 2025/2/10 | 版本Version | V1.1 | >6~30 | ±0.5 | V1.1 | △ | 电机规格型号更新 | DCN250056 | 2025/2/25 | 审核Check | WYD | 2025/2/10 | 比例Scale | 1:1 | >30~120 | ±0.8 | V1.0 | / | 原始版本 | 新发布 | 2025/2/10 | 设计Design | ZY | 2025/2/10 | 投影法Projection methods |  | >120~400 | ±1.2 | VER | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date | 评审Review | 姓名Names | 日期Data |  | 1 |
| 动力电源 Power (V)                         |  |           |      |                    |            |             |          |           |           | 48                          |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 逻辑电源 Logic power (V)                   |  |           |      |                    |            |             |          |           |           | /                           |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 额定转矩 Rated torque (N.m)                |  |           |      |                    |            |             |          |           |           | 3.6                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 峰值转矩 Maximum torque (N.m)              |  |           |      |                    |            |             |          |           |           | 10.9                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 轮径 Wheel diameter (mm)                 |  |           |      |                    |            |             |          |           |           | 150                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 轮宽 Wheel width (mm)                    |  |           |      |                    |            |             |          |           |           | 40                          |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 额定线速度 Rated linear speed (m/s)         |  |           |      |                    |            |             |          |           |           | 3.9                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 输入输出 input/output                      |  |           |      |                    |            |             |          |           |           | 2入1出                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 通讯 Communicate                         |  |           |      |                    |            |             |          |           |           | CAN                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 调试 Shakedown test                      |  |           |      |                    |            |             |          |           |           | 485                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 外部解抱闸 External unlocking brake voltage |  |           |      |                    |            |             |          |           |           | /                           |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 驱动器额定电流 Driver rated current           |  |           |      |                    |            |             |          |           |           | 7Arms                       |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 驱动器峰值电流 Driver peak current            |  |           |      |                    |            |             |          |           |           | 26Ap                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 电机额定转速 Motor rated speed(rpm)          |  |           |      |                    |            |             |          |           |           | 3000                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 电机额定扭矩 Motor rated torque(N.m)         |  |           |      |                    |            |             |          |           |           | 0.64                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 整机重量 Overall weight (kg)               |  |           |      |                    |            |             |          |           |           | 2.5                         |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 环境要求 Environmental conditions          | 工作环境温度 Working environment temperature: 0℃~40℃;<br>存储温度 Storage temperature: -20℃~60℃;<br>使用和存储均为≤90%RH, 无结露; 90%RH (below) for use and storage, non-condensation; 聚氨酯胎面要求平整路面且无异物Polyurethane tread requires a flat road surface and no foreign objects.  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 说明 illustrate                          | 标准产品胎面为聚氨酯;标准产品防护等级为IP54 The standard product tread is polyurethane; The standard product protection level is IP54   |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 参数项 Parameter item                     | 单位Unit   | 参数值Values |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 速比 Ratio il                            | /  | 6         |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许额定输出扭矩 Nominal output torque         | Nm   | 20        |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许最大输出扭矩 Maximum output torque         | Nm   | 60        |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许额定输入转速 Nominal input speed           | rpm  | 4000      |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许最高输入转速 Maximum input speed (rpm)     | r/min  | 6000      |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许径向负荷 Max. radial load Fr (N)         | N  | 1500      |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 容许轴向负荷 Max. axial load Fa (N)          | N  | 280       |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 效率 Efficiency                          | /  | ≥95%      |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 背隙 Backlash                            | arcmin   | ≤12       |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 未注线性公差 Undeclared linear tolerance     |  |           |      |                    |            | 批准Approve   | HH       | 2025/2/10 | 料号Part No | 307091535                   | 产品外形图Product Outline Drawing<br><b>Kinco步科</b><br>步科股份: 688160<br>The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited<br>页码Page No SHEET 2 OF 2 A2 |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 0.5~3                                  | ±0.2   |           |      |                    |            | 标准化Standard | ZY       | 2025/2/10 | 型号Model   | FWMC05606-00450-A150-MADT-R |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| >3~6                                   | ±0.3   |           |      |                    |            | 工艺Technique | XC       | 2025/2/10 | 版本Version | V1.1                        |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| >6~30                                  | ±0.5   | V1.1      | △    | 电机规格型号更新           | DCN250056  | 2025/2/25   | 审核Check  | WYD       | 2025/2/10 | 比例Scale                     |  | 1:1   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| >30~120                                | ±0.8   | V1.0      | /    | 原始版本               | 新发布        | 2025/2/10   | 设计Design | ZY        | 2025/2/10 | 投影法Projection methods       |  |  |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| >120~400                               | ±1.2   | VER       | Mark | 版本记录Version record | 归档方式ECN No | 归档日期Date    | 评审Review | 姓名Names   | 日期Data    |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 2                                      | 2  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 3                                      | 3  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 4                                      | 4  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 5                                      | 5  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 6                                      | 6  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 7                                      | 7  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 8                                      | 8  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 9                                      | 9  |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |
| 10                                     | 10   |           |      |                    |            |             |          |           |           |                             |  |   |   |                         |     |                           |      |                        |     |                     |    |                                |     |                   |      |                |     |                   |     |  |   |                              |       |                             |      |                               |      |                                |      |                          |     |                               |   |               |  |                    |        |           |             |   |   |                                |    |    |                                |    |    |                              |     |      |                                    |       |      |                                |   |      |                               |   |     |               |   |      |             |        |     |                                    |  |  |  |  |  |           |    |           |           |           |  |       |      |  |  |  |  |             |    |           |         |                             |      |      |  |  |  |  |             |    |           |           |      |       |      |      |   |          |           |           |         |     |           |         |     |         |      |      |   |      |     |           |          |    |           |                       |   |          |      |     |      |                    |            |          |          |         |        |  |   |